

Title (en)

Thermoplastic resin film with excellent offset printability and offset prints thereof.

Title (de)

Thermoplastischer Harzfilm mit verbesserter offset-Drückbarkeit und daraus hergestellter offset-Druckschrift.

Title (fr)

Film de résine thermoplastique à excellentes propriétés pour l'impression offset et imprimés offset ainsi fabriqués.

Publication

EP 0580030 A1 19940126 (EN)

Application

EP 93110949 A 19930708

Priority

JP 18133192 A 19920708

Abstract (en)

A thermoplastic resin film having a coated layer thereon, the coating layer comprising a quaternary ammonium salt copolymer comprising (a) a structural unit represented by formula (I): <CHEM> wherein A represents -O- or -NH-; R<1> represents a hydrogen atom or a methyl group; R<2> represents an alkylene group having from 2 to 4 carbon atoms or -CH₂CH(OH)-CH₂-; R<3>, R<4>, R<5>, and R<6>, which may be the same or different, each represents an alkyl group having from 1 to 3 carbon atoms; R<7> represents an alkyl group having from 1 to 10 carbon atoms or an aralkyl group having from 7 to 10 carbon atoms; n represents an integer of from 1 to 3; and X represents a chlorine atom, a bromine atom or an iodine atom, (b) a structural unit represented by formula (II): <CHEM> wherein R<8> represents a hydrogen atom or a methyl group; and R<9> represents an alkyl group having from 1 to 22 carbon atoms, an aralkyl group having from 7 to 22 carbon atoms or a cycloalkyl group having from 5 to 22 carbon atoms, and (c) a structural unit derived from a monomer copolymerizable with monomers providing structural units (a) and (b) at a (a):(b):(c) weight ratio of 30 to 70:30 to 70:0 to 40. The thermoplastic resin film exhibits excellent offset printability and excellent antistatic properties.

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IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

[A] EP 0423829 A1 19910424 - OJI PAPER CO [JP]

Cited by

EP0834528A3; EP0764547A3; EP1288008A3; EP1104702A3; EP1306226A3; EP0709438A1; US5681643A; US5798397A; US6238785B1; US6815020B2

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